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ERK 1/2 Polyclonal Antibody

Cat #: G-AB-05882

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4) and ARHGEF2.Acts as a transcriptional repressor. Binds to a [GC]AAA[GC] consensus sequence. Repress the expression of interferon gamma-induced genes. Seems to bind to the promoter of CCL5, DMP1, IFIH1, IFITM1, IRF7, IRF9, LAMP3, OAS1, OAS2, OAS3 and STAT1. Transcriptional activity is independent of kinase activity.

Gene ID:

Accession #:

Immunogen: Synthesized peptide derived from human ERK 1/2 around the non-phosphorylation site of Thr202.

Conjugation: Unconjugated

Swissprot: P27361,P28482

Calculated Molecular Weight: 43 kDa

Observed Molecular Weight: 44+42 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: WB,IF,ELISA

Dilution: WB 1:500-1:2000, IF 1:100-1:300, ELISA 1:10000

Storage: Store at -20°C. Avoid freeze / thaw cycles.